

FIG. 1

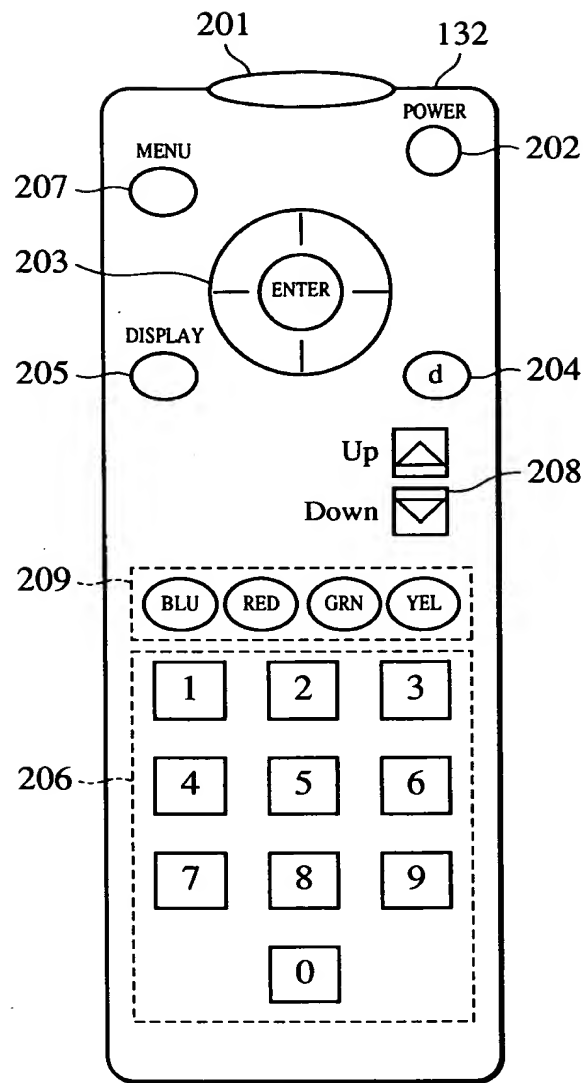


FIG. 2

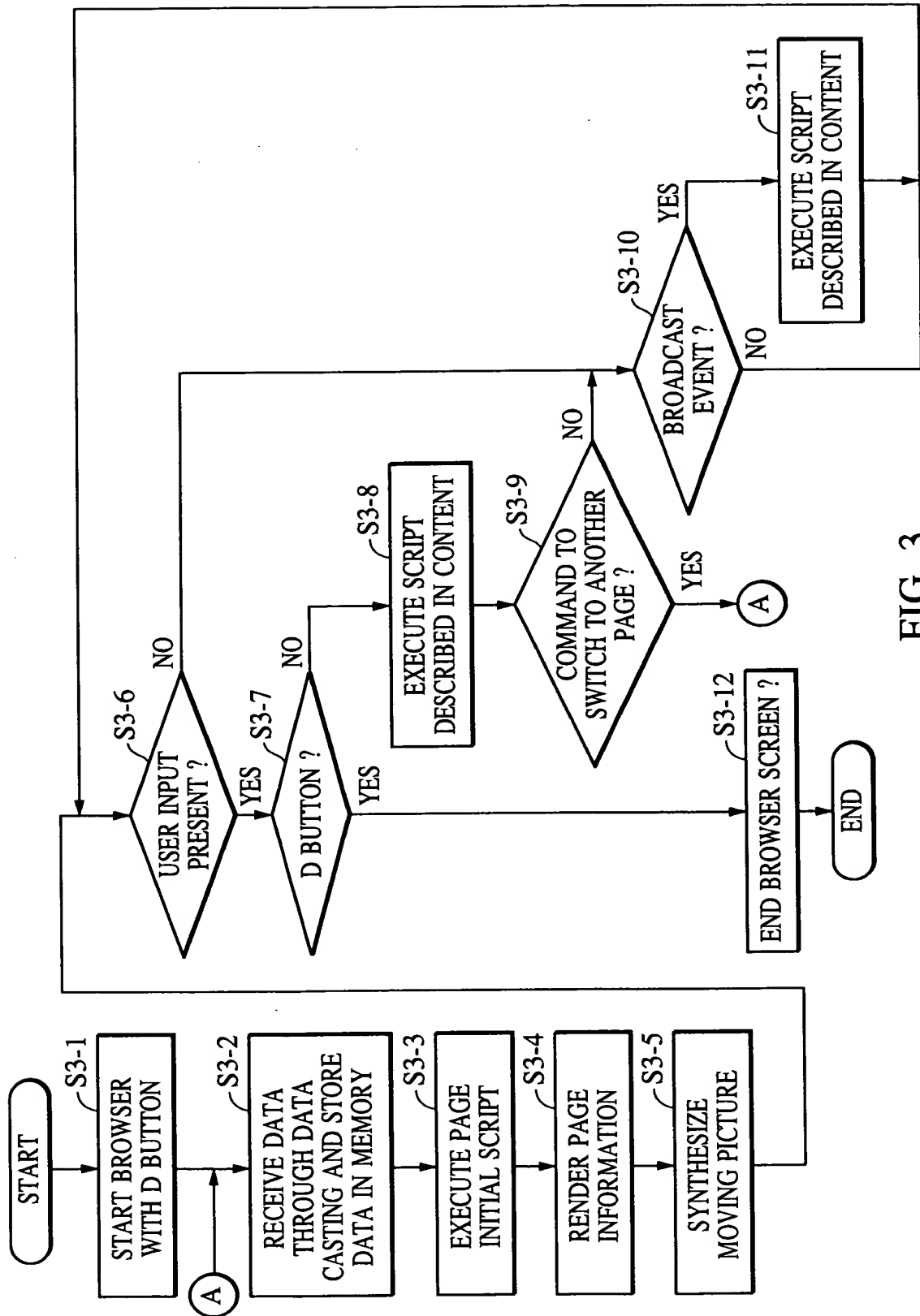


FIG. 3

```
<!DOCTYPE dbc SYSTEM "http://www.xxx.co.jp/dbc.dtd">
<head>
<title News AM7</title>

<script language = "JavaScript">
var pdtenable = ();

function initialize(){
    printenable = Browser.GetBrowserSupport("print")
    var imag = document.getElementById("pngPrintBtn");
    var para = document.getElementById("pPrintBtn");
    if(printenable ==1){
        imag.style.visibility = "visible"
        para.style.visibility = "visible"
    }
    else{
        imag.style.visibility = "hidden"
        para.style.visibility = "hidden"
    }
}
```

// (B)
// (C)

// (D)

FIG. 4

```

function keydown(){
    var code = document.currentEvent.keyCode;
    if(code == "UP"){
        if( --focusmenu < 0){focusmenu = 3;}
    }
    if(code == "UP"){
        if( --focusmenu < 0){focusmenu = 3;}
    }
    if(code == "ABC"){
        if(focusmenu == 0){browser.launchDocument("seiji.xml");}
        if(focusmenu == 1){browser.launchDocument("keizai.xml");}
        if(focusmenu == 2){browser.launchDocument("shakai.xml");}
        if(focusmenu == 3){browser.launchDocument("sports.xml");}
    }
    if(code == "RED"){
        var tmp = document.getElementById("pngPrintBtn");
        if(tmp.style.visibility == visible){browser.launchDocument("print.xml");}
    }
}
</script>
</head>

```

// (E)

// (F)

FIG. 5

```

<body onLoad = "initialize()">
<div onKeyDown = "keydown();" />
<div style = "left:60px; top:40px; width:480px; height:270px;">
  <object style = "left:0px; top:0px; width:480px; height:270px;" data = "/-1" type = "video/X-arib-mpeg2" remain = "remain" />
  <object data = "/-1" type = "video/X-ariv-mpeg2-aac" streamstatus = "play" />
</div>
<div style = "top:38px; left:583px; width:310px; height:463px" >
  <p style = "left:4px; top:0px; width:300px; height:80px; font-size:24px; line-height:24px; >7 O'CLOCK MORNING NEWS</p>
  <div style = "top:90px; left:5px; width:300px; height:42px;">
    <object id = "pngPlate0" data = "/0001/plate.png" type = "image/X-atrib-png" />
    <p id = "pMenu0" style = "top:5px; left:1px; width:300px; height:42px; font-size:24px" >POLITICS</p>
  </div>
  <div style = "top:140px; left:5px; width:300px; height:42px;">
    <object id = "pngPlate1" data = "/0001/plate.png" type = "image/X-atrib-png" />
    <p id = "pMenu1" style = "top:5px; left:1px; width:300px; height:42px; font-size:24px" >ECONOMY</p>

```

FIG. 6

```

</div>
<div style = "top:190px; left:5px; width:300px; height:42px;">
  <object id = "pngPlate2" data = "~/0001/plate.png" type = "image/X-atrib-png"/>
  <p id = "pMenu2" style = "top:5px; left:1px; width:300px; height:42px;" font-size:24px>LOCAL NEWS</p>
</div>
<div style = "top:240px; left:5px; width:300px; height:42px;">
  <object id = "pngPlate3" data = "~/0001/plate.png" type = "image/X-atrib-png"/>
  <p id = "pMenu3" style = "top:5px; left:1px; width:300px; height:42px;" font-size:24px>SPORTS</p>
</div>
</div>
<div style = "left:70px; top:350px; width:480px; height:150px;">
  <object id = "pngPrintBtn" style = "left:127px; top:20px; width:30px; height:30px" data = "Rbin.png" type = "image/X-atrib-png"/>
  <p id = "pPrintBtn" style = "left:164px; top:19px; width:200px; height:30px; font-size:24px>PRINT NEWS SUMMARY</p>
</div>
</body>

```

FIG. 7

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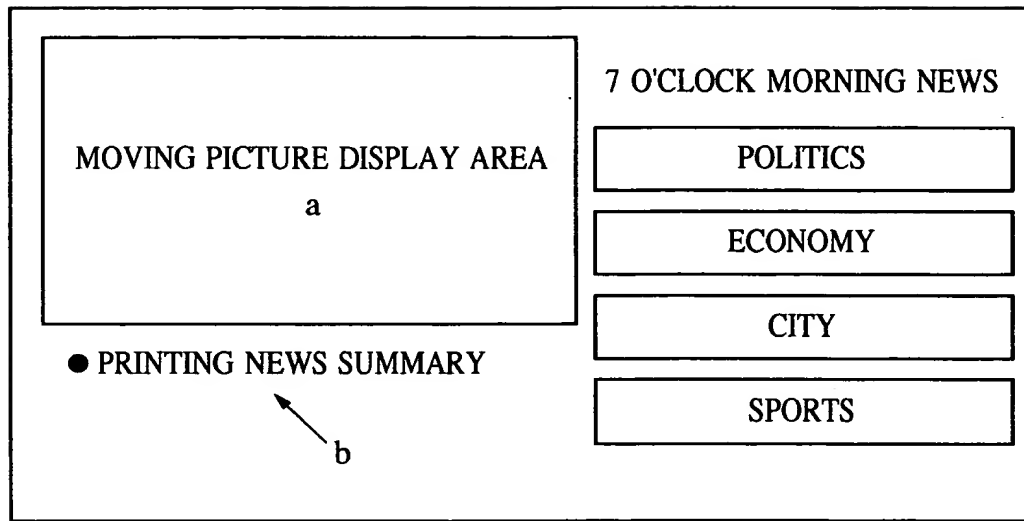


FIG. 8

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```

<DOCTYPE dbc SYSTEM "http://www.xxx.co.jp/dbc.dtd" >
<head>
<title News Print</title>

<script language = "JavaScript" >
var printable = 0;

function initialize(){
var rdy = browser.pmSetReady();
if(rdy == 0){
document.getElementById("StatusText");firstChild.data = "STATUS : NO USABLE PRINTER IS AVAILABLE";
return;
}
//SPECIFICATIONS OF PRINTER ARE EXAMINED
var spc = browser.prmGetSpec("size", "A4");
if(spc == 0){
var spc = browser.prmGetSpec("size", "A3");
if(spc == 0){
document.getElementById("StatusText");firstChild.data = "STATUS : PRINTER IS NOT COMPATIBLE
WITH REQUIRED SHEET SIZE";
return;
}
document.getElementById("StatusText");firstChild.data = "STATUS : READY TO PRINT";
}

function print(){
var result = browser.pmStart("/printdata.xml");
if(result == 1){
document.getElementById("StatusText");firstChild.data = "STATUS : PRINTING COMPLETED";
}
}

```

FIG. 9

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```

else{
    document.getElementById("StatusText");firstChild.data = "STATUS : PRINTING ABORTED";
}
browser.clearTimer(timerId);
timerId browser.setInterval("process_timer_event()", 5000,120);
}
// (F)

function process_timer_event(){
    var sts = browser.prmGetStatus("printing");
    if(sts == 1){
        document.getElementById("StatusText");firstChild.data = "STATUS : NOW PRINTING";
    }
    else{
        sts = browser.prmGetStatus("err_stop");
        if(sts== 1){
            document.getElementById("StatusText");firstChild.data = "STATUS : PRINTER STOPS DUE TO AN ERROR";
        }
        else{
            finished();
            browser.clearTimer(timerId);
        }
    }
}
// (G)

function finished();
    document.getElementById("StatusText");firstChild.data = "STATUS : PRINTING COMPLETED";
}
</script>
</head>
// (H)

```

FIG. 10

```

// (A)
<body onLoad = "initialize()">
<div style = "left:60px; top:40px; width:480px; height:270px">
<object style = "left:0px; top:0px; width:480px; height:270px;" data = "/1" type = "video/X-arib-mpeg2" remain = "remain"/>
<object data = "/-1" type = "video/X-arib-mpeg2-aac" streamstatus = "play"/>
</div>
<div style = "top:38px; left:583px; width:310px; height:463px">
<p style = "left:4px top:0px; width:300px; height:80px; font-size:24px; line-height:24px; >NEWS SUMMARY IS PRINTED</p>
<div style = "top:90px; left:5px; width:300px; height:42px;">
<object id = "pngPlate0" data = "~/0001/plate.png" type = "image/X-atrib-png"/>
<p id = "pMenu0" style = "top:5px; left:1px; width:300px; height:42px; font-size:24px" >PRINTING STARTS</p>
</div>
<p id = "StatusText" style = "left:4px; top:130px; width:300px; height:80px; font-size:24px; line-height:24px; >STATUS :
PREPARATION FOR PRINTING IS IN PROGRESS</p>
</div>
<div style = "left:70px; top:350px; width:480px; height:150px;">
<p id = "pPrintBtn" style = "left:164px; top:19px; width:200px; height:30px; font-size:24px >PRESS RETURN KEY TO RETURN TO MENU</p>
</div>
</body>

```

FIG. 11

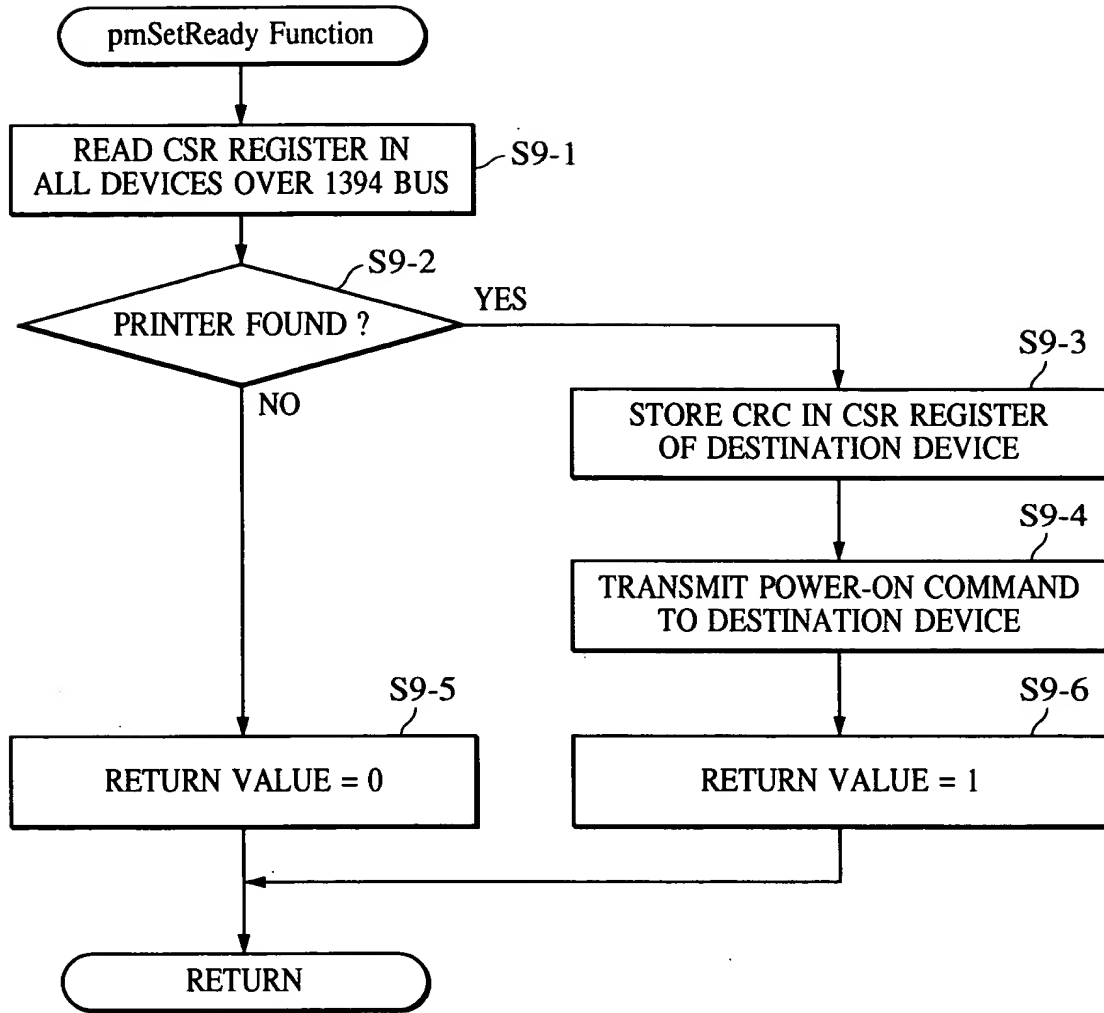


FIG. 12

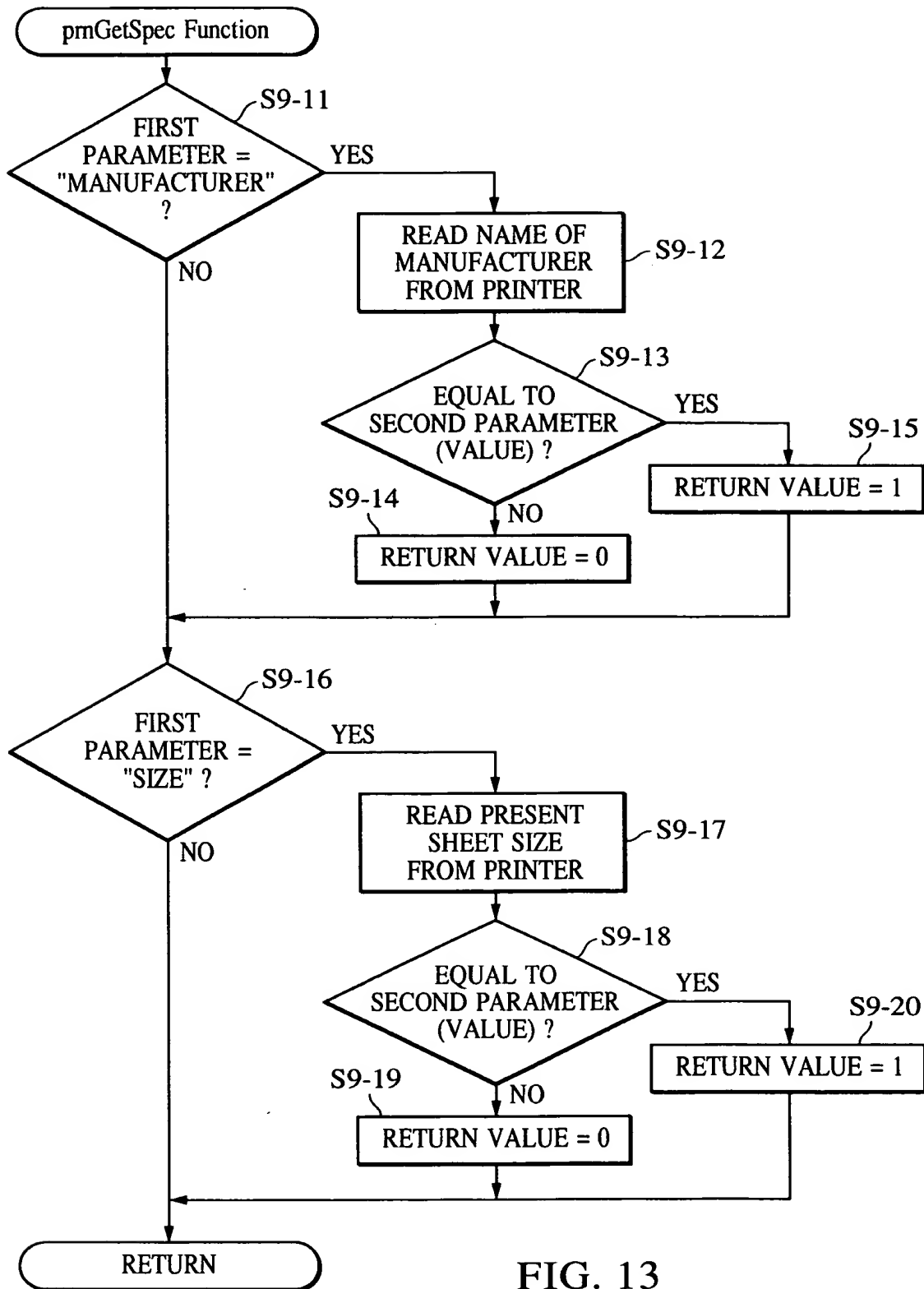


FIG. 13

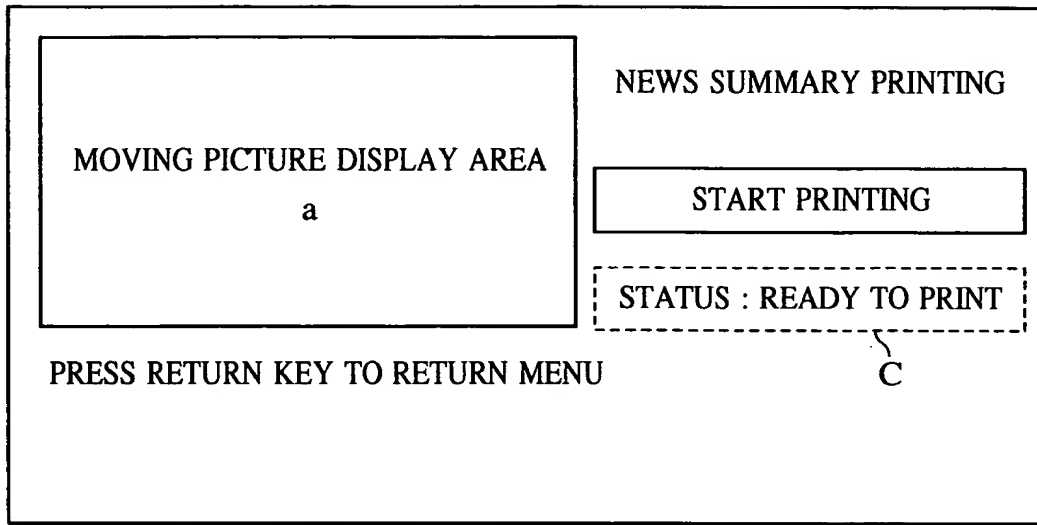


FIG. 14

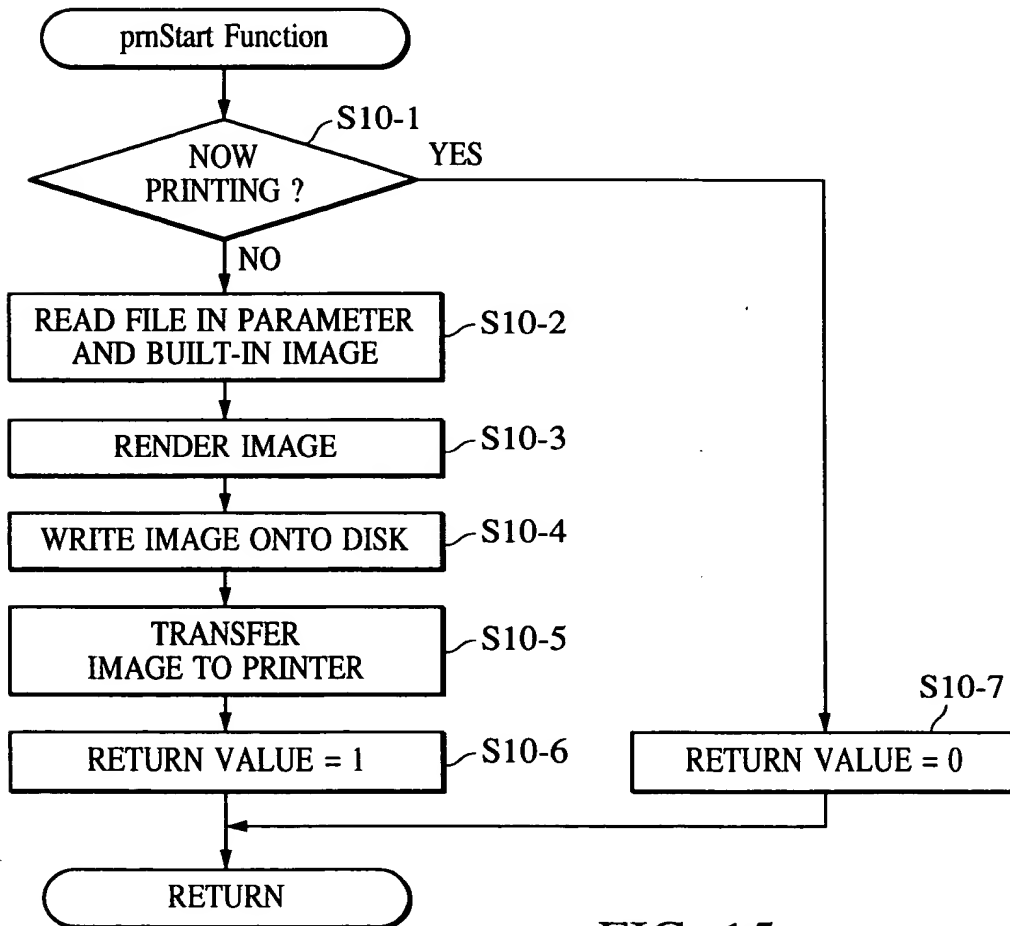


FIG. 15

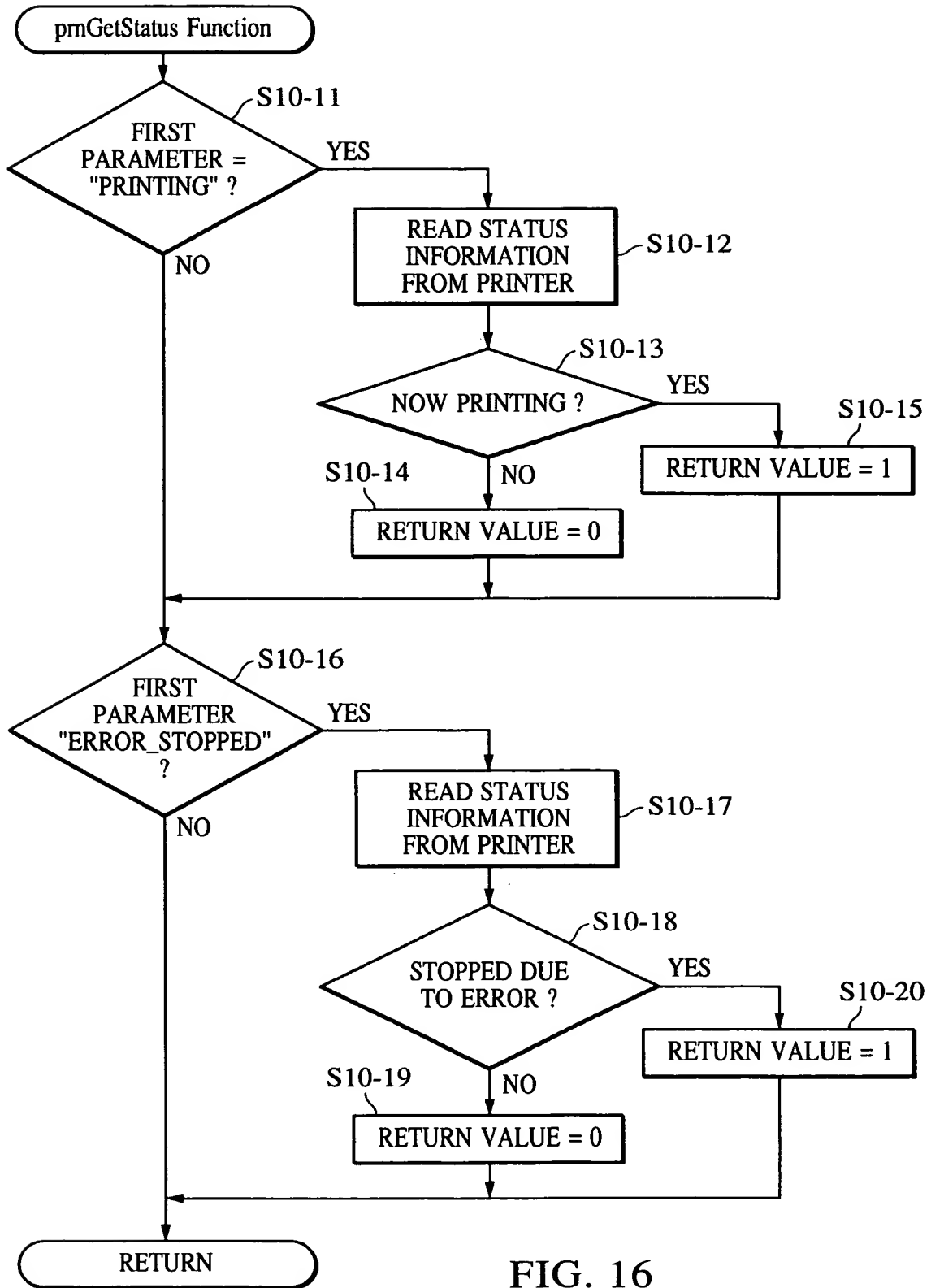


FIG. 16

```

<IDCTYPE dbc SYSTEM "http://www.xxx.co.jp/dbc.dtd">
<head>
<title News Print</title>

<script language = "JavaScript">
var printable = 0;

function initialize(){
    if(rdy == 0){
        document.getElementById("StatusText");firstChild.data = "STATUS : CONNECT PRINTER"; return;
    }
}

function print(){
    var result = browser.prmStart("/printdata.xml");
    if(result == 1){
        document.getElementById("StatusText");firstChild.data = "STATUS : NOW PRINTING";
    }
}

functionl proccess_device_event(){
    device = document.currentEvent.DeviceGroup;
    event = document.currentEvent.EventID;
    value = document.currentEvent.Value;
}
    
```

//(B)

FIG. 17


```

// (C)
if(device == "printer" && event == "device_attached"){
    document.getElementById("StatusText").firstChild.data = "STATUS : PRINTER IS RECOGNIZED, AND CHECKED.";
    var spc = browser.pnGetSpec("inaxsize", "A4");
    // (D)
    if(spec == 0){
        document.getElementById("StatusText").firstChild.data = "STATUS : PRINTER IS NOT COMPATIBLE WITH REQUIRED SHEET SIZE";
        return;
    }
    document.getElementById("StatusText").firstChild.data = "STATUS : READY TO PRINT";
    // (E)
}
if(device == "printer" && event == "print_finished"){
    document.getElementById("StatusText").firstChild.data = "STATUS : PRINTING COMPLETED";
    // (F)
}
if(device == "printer" && event == "print_resumed"){
    document.getElementById("StatusText").firstChild.data = "STATUS : PRINTING RESUMING";
    // (G)
}
if(device == "printer" && event == "ink_empty"){
    document.getElementById("StatusText").firstChild.data = "STATUS : LACK OF INK";
    document.getElementById("objVideo").data = "ink_change.mpg";
    document.getElementById("objAudio").data = "ink_change.mpg";
}
if(device == "printer" && event == "paper_empty"){
    document.getElementById("StatusText").firstChild.data = "STATUS : LACK OF COPY SHEETS";
    // (H)
}
</script>
</head>

```

FIG. 18

```

<de_event>
<de_item type = "DeviceEventFired" subscribe = "subscribe" device_group = "printer" oneccur = "preprocess_device_event()"/>
</de_event>
// (I)

<body onLoad = "initialize()">
<div style = "left:50px; top:40px; width:480px; height:270px;">
<object id = "objVideo" style = "left:0px; top:0px; width:480px; height:270px;" data = "/-1" type = "video/X-arib-mpeg2" remain = "remain"/>
<object id = "objAudio" data = "/-1" type = "audio/X-arib-mpeg2-aac" streamstatus = "play"/>
</div>
// (A)
<div style = "top:38px; left:583; width:310px; height:463px">
<p style = "left:4px; top:0px; width:300px; height:80px; font-size:24px; line-height:24px; >NEWS SUMMARY IS PRINTED</p>
<div style = "top:90px; left:5px; width:300px; height:42px;">
<object id = "pngPlate0" data = "/0001/plate.png" type = "image/X-atrib-png"/>
<p id = "pMenu0" style = "top:5px; left:1px; width:300px; height:42px; font-size:24px >PRINTING STARTS</p>
</div>
<p id = "StatusText" style = "left:4px; top:150px; width:300px; height:80px; font-size:24px; line-height:24px; >STATUS :</p>
</div>
<div style = "left:70px; top:350px; width:480px; height:150px;">
<p id = "pPrintBtn" style = "left:164px; top:19px; width:200px; height:30px; font-size:24px >PRESS RETURN KEY TO RETURN TO MENU</p>
</div>
</body>

```

FIG. 19

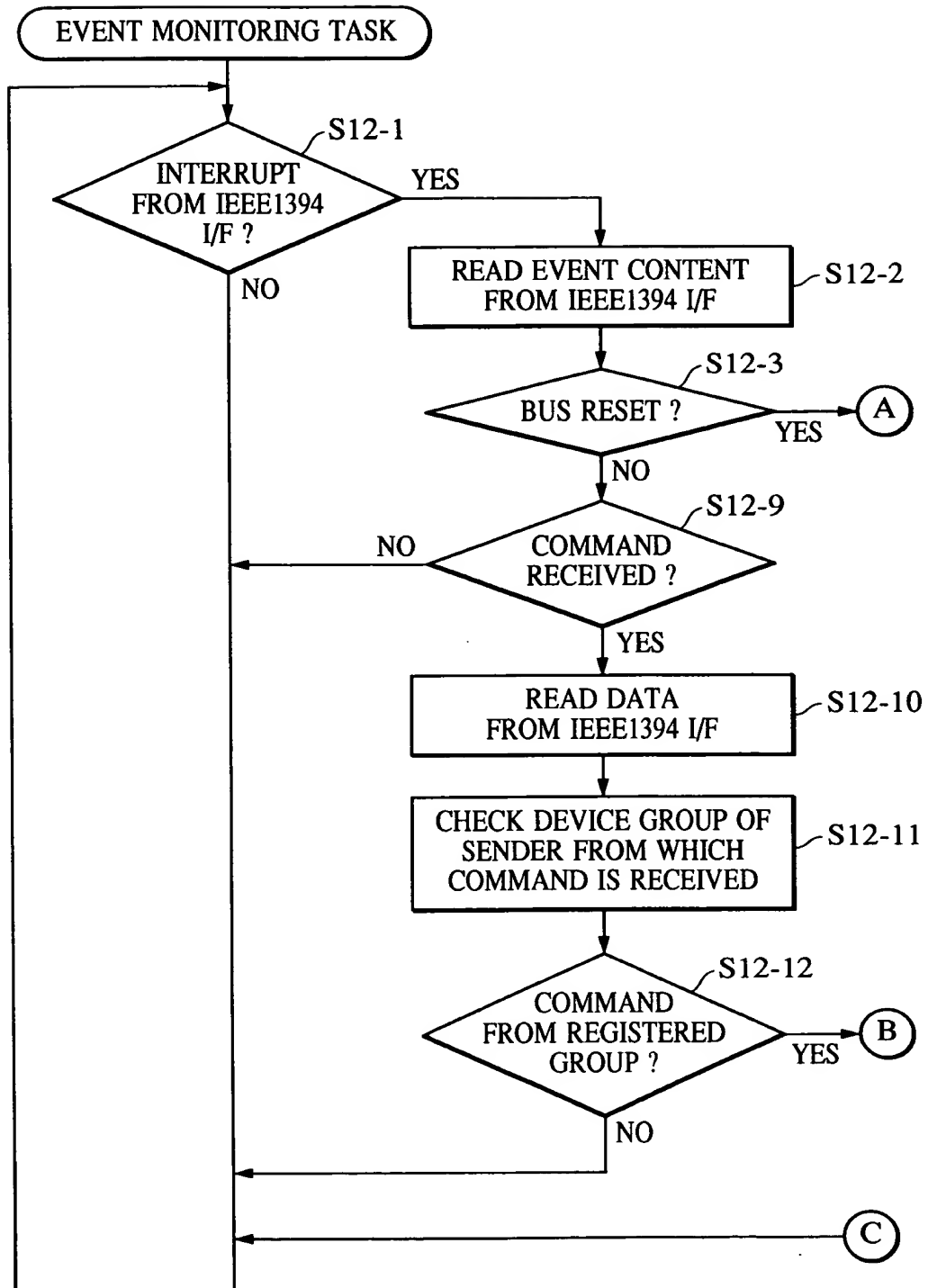


FIG. 20

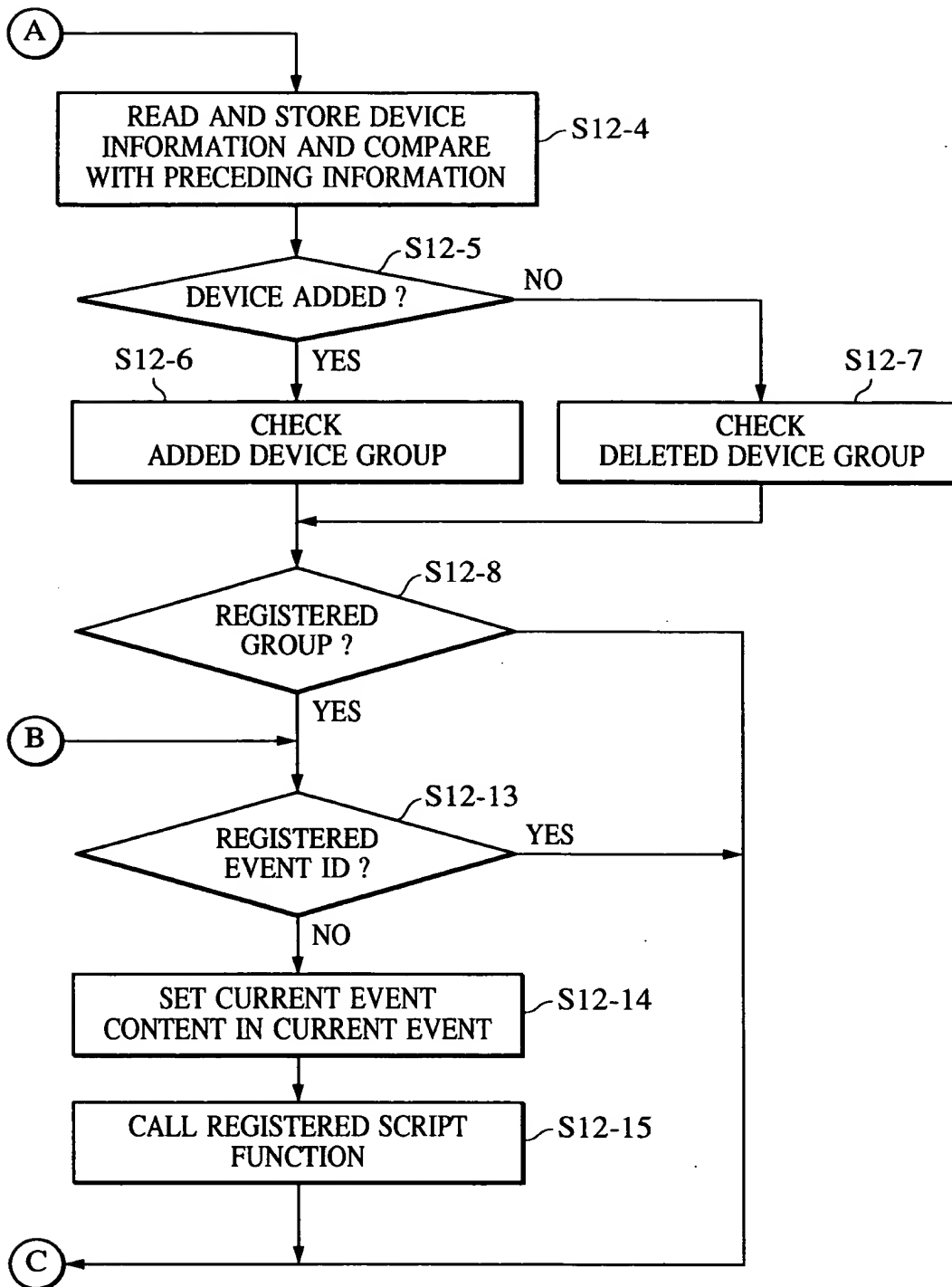


FIG. 21

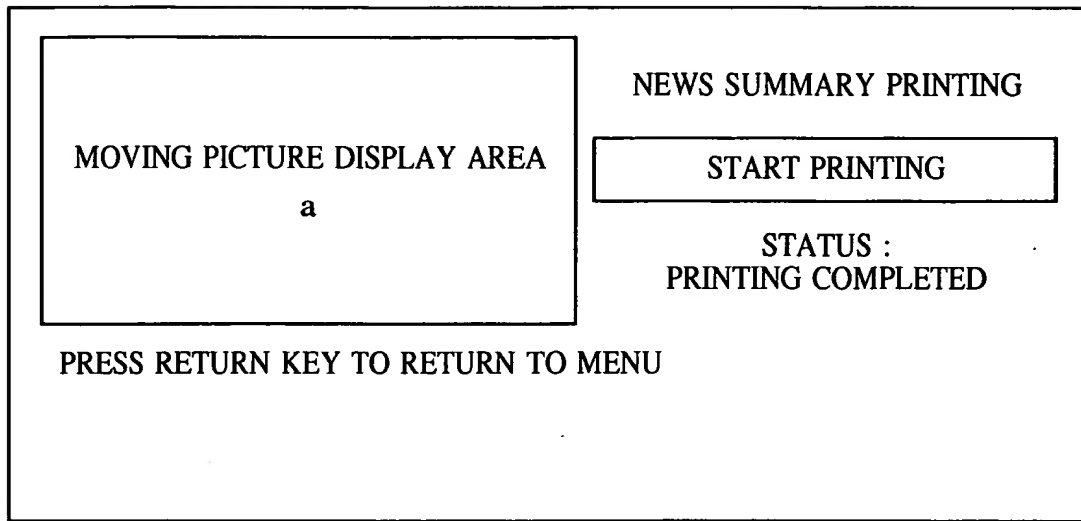


FIG. 22

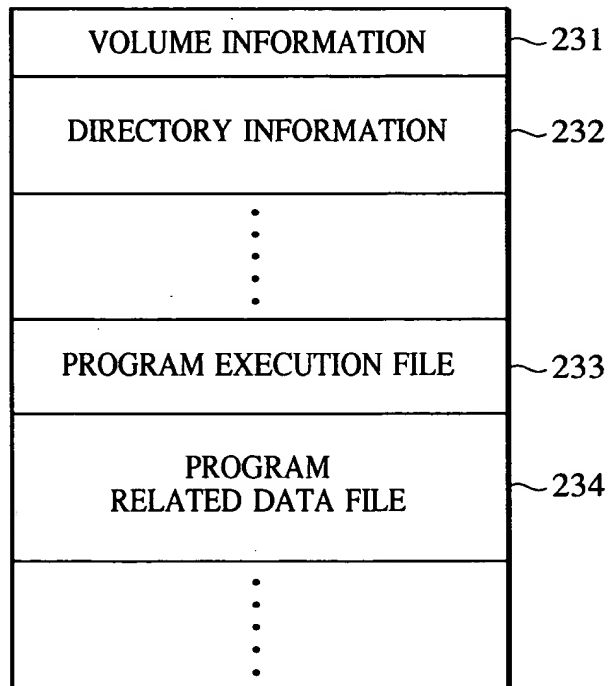


FIG. 23

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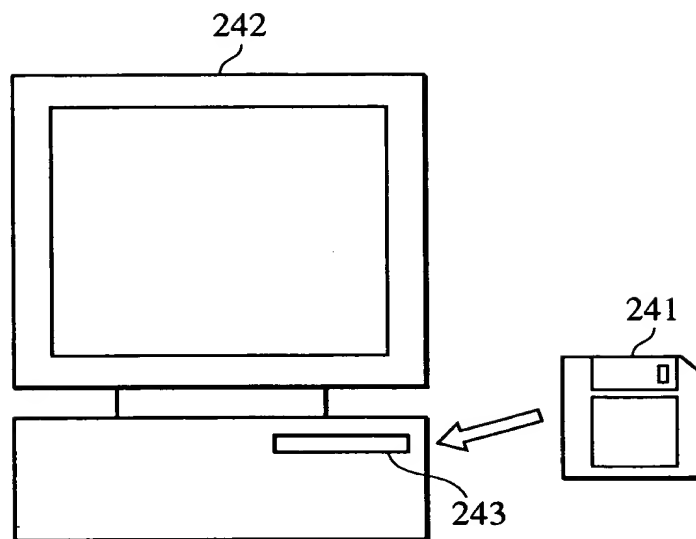


FIG. 24

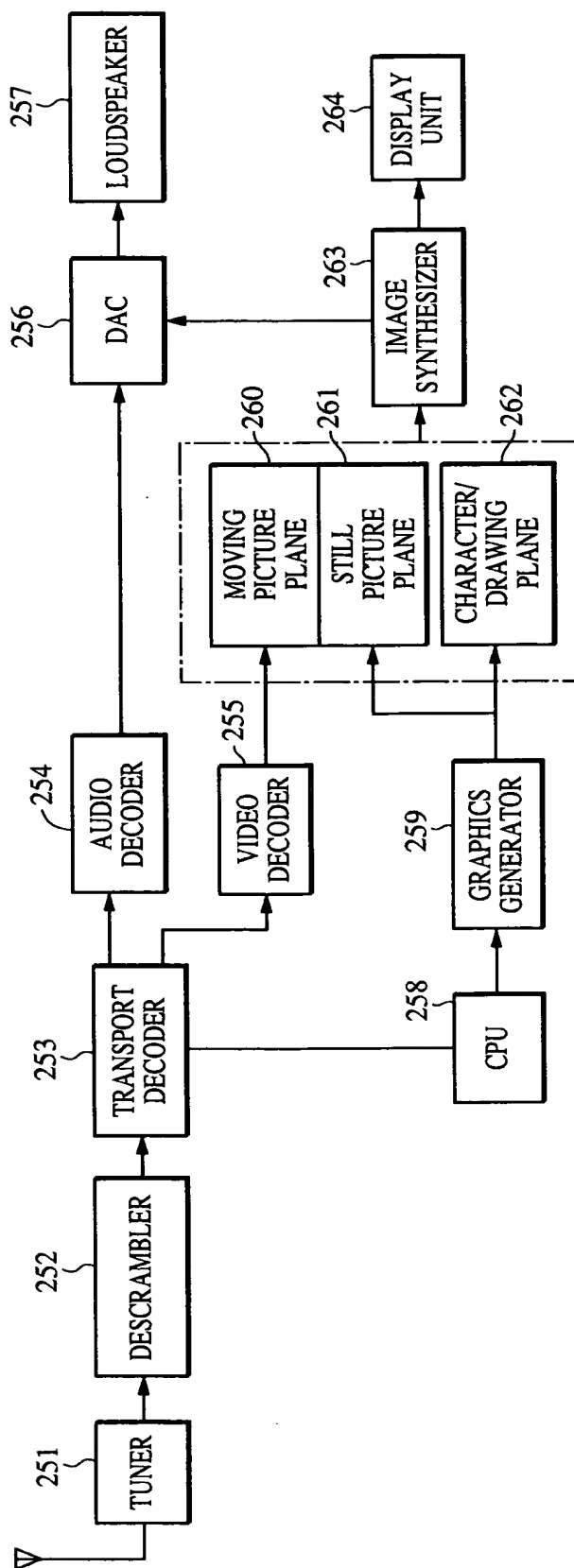


FIG. 25